

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560047

Luminaire Tested: **SDL-PA1-20-750-U-SL3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-750-U-SL3-HSS-A  
Description: Springdale  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2164 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U2 - G1

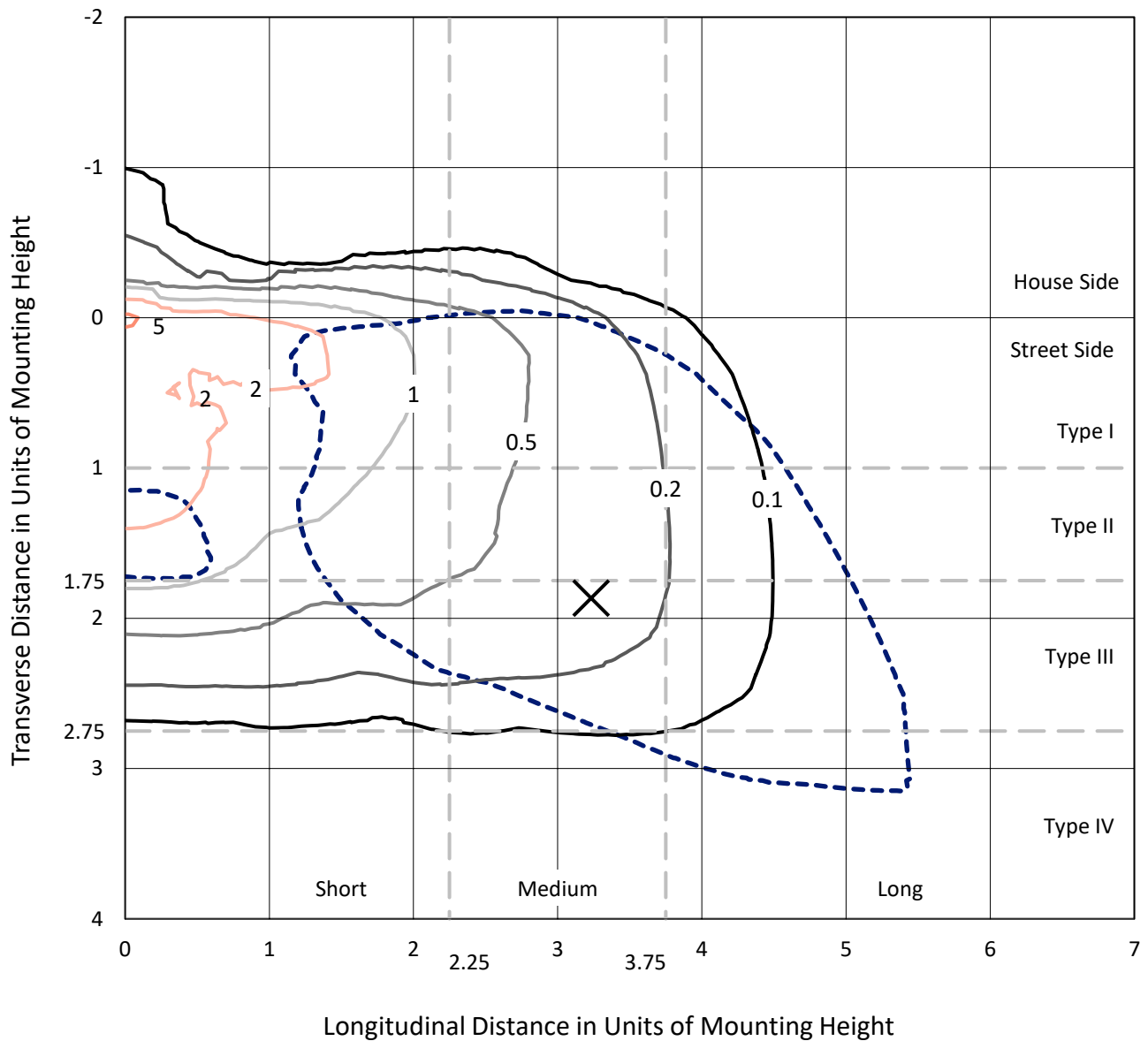
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

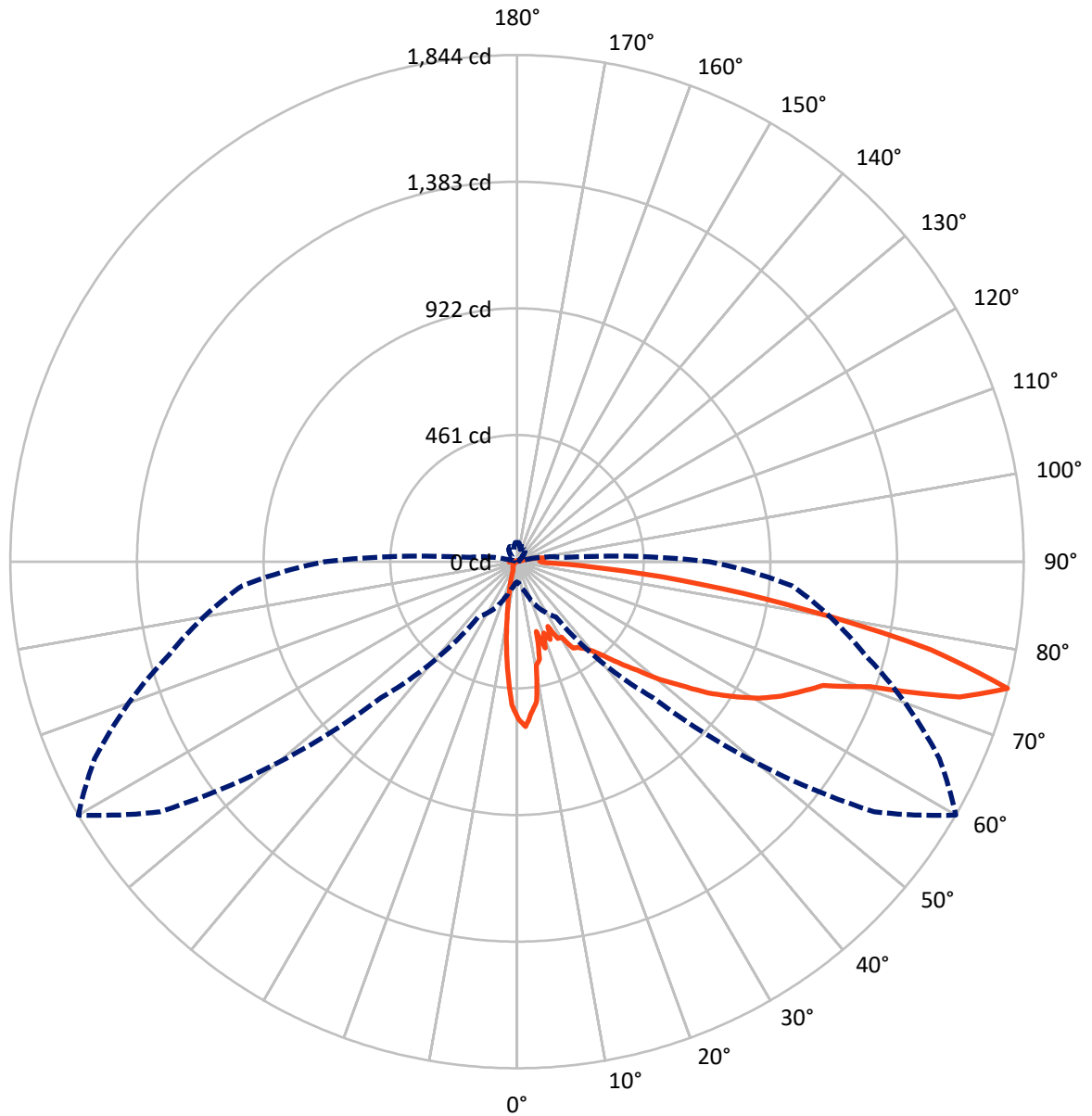
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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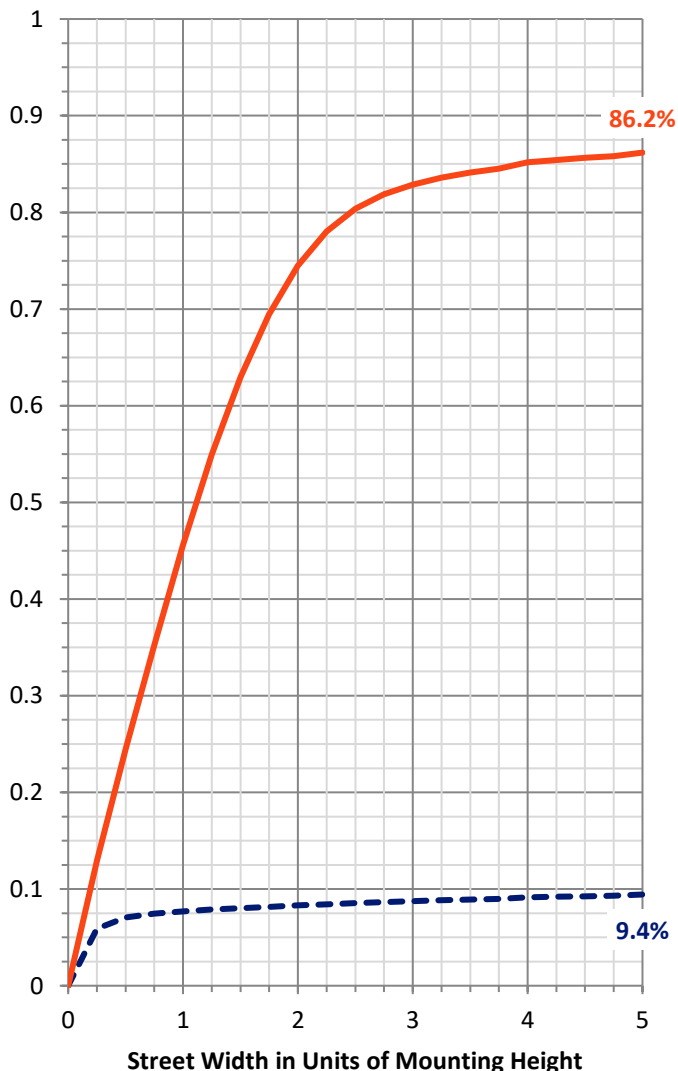
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	223.6	29.2	252.8
	% Fixture	10.3	1.3	11.7
<b>Street Side</b>	Lumens	1880.7	30.5	1911.2
	% Fixture	86.9	1.4	88.3
<b>Total</b>	Lumens	2104.3	59.6	2164.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.7	1.8
10°-20°	65.1	3.0
20°-30°	92.0	4.3
30°-40°	165.4	7.6
40°-50°	278.8	12.9
50°-60°	433.6	20.0
60°-70°	511.7	23.6
70°-80°	415.0	19.2
80°-90°	103.0	4.8
90°-100°	41.6	1.9
100°-110°	9.6	0.4
110°-120°	3.0	0.1
120°-130°	2.7	0.1
130°-140°	1.4	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2104.3	97.2
0°-180°	2164.0	100.0

**Coefficient of Utilization**



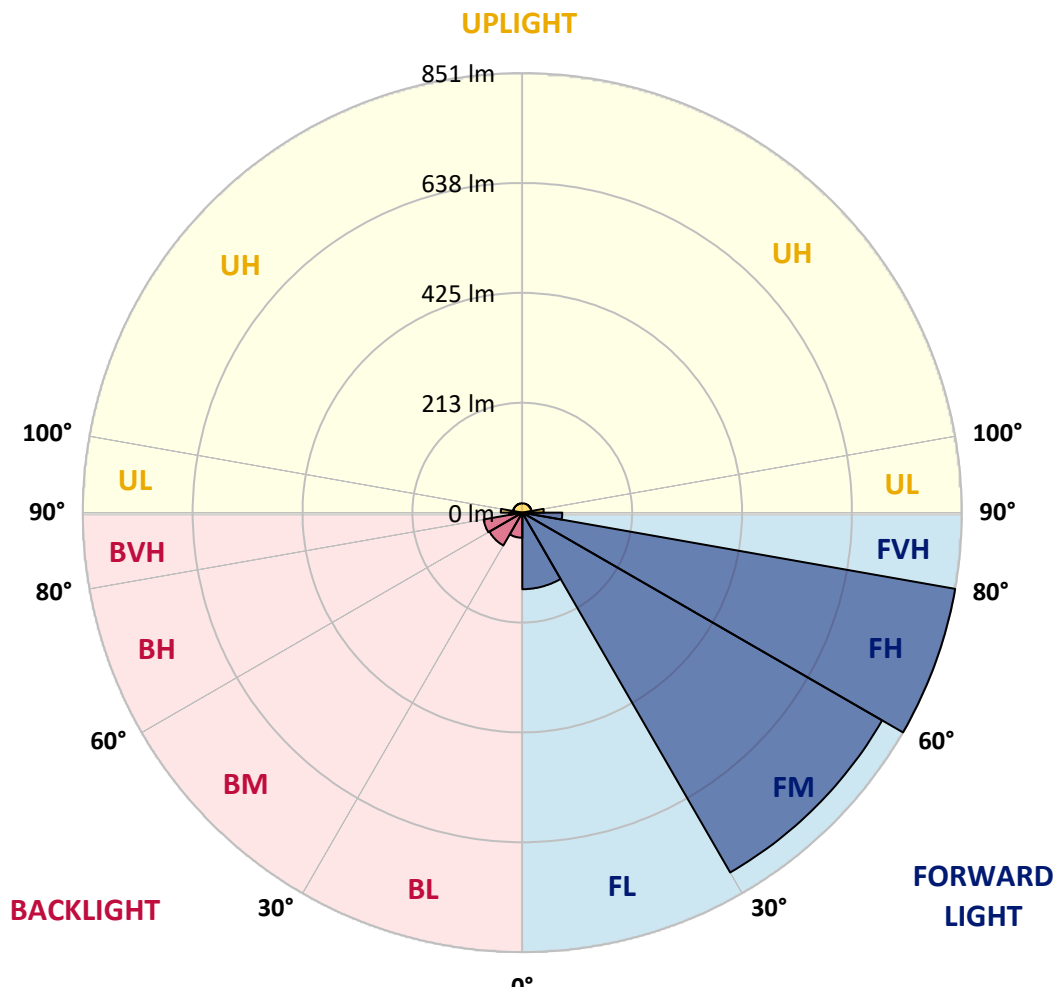
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.2	6.8			
FM (30°-60°)	804.3	37.2			
FH (60°-80°)	850.8	39.3			G1/1800
FVH (80°-90°)	77.5	3.6			G1/100
BL (0°-30°)	48.6	2.2	B0/110		
BM (30°-60°)	73.5	3.4	B0/220		
BH (60°-80°)	75.9	3.5	B0/110		G0/110
BVH (80°-90°)	25.6	1.2			G1/100
UL (90°-100°)	41.6	1.9		U2/50	
UH (100°-180°)	18.0	0.8		U2/50	

**BUG Rating: B0-U2-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	538.0	579.0	567.0	605.0	610.0	608.0	606.0	601.0	596.0	587.0	573.0
5°	516.0	520.0	517.0	524.0	525.0	528.0	523.0	551.0	598.0	586.0	564.0
7.5°	424.0	466.0	471.0	484.0	496.0	508.0	515.0	514.0	454.0	510.0	485.0
10°	433.0	439.0	438.0	447.0	437.0	420.0	383.0	384.0	384.0	396.0	409.0
12.5°	343.0	361.0	405.0	419.0	389.0	354.0	357.0	364.0	369.0	313.0	345.0
15°	389.0	390.0	391.0	391.0	293.0	335.0	292.0	264.0	302.0	370.0	376.0
17.5°	305.0	302.0	352.0	348.0	323.0	249.0	324.0	331.0	318.0	311.0	313.0
20°	358.0	358.0	355.0	283.0	298.0	321.0	278.0	277.0	293.0	364.0	368.0
22.5°	290.0	287.0	303.0	315.0	283.0	306.0	274.0	308.0	341.0	322.0	263.0
25°	363.0	363.0	351.0	273.0	293.0	263.0	304.0	261.0	290.0	394.0	375.0
27.5°	336.0	327.0	299.0	310.0	263.0	306.0	280.0	317.0	335.0	408.0	437.0
30°	434.0	431.0	399.0	312.0	299.0	281.0	301.0	319.0	386.0	529.0	505.0
32.5°	579.0	563.0	454.0	386.0	314.0	333.0	321.0	375.0	424.0	541.0	512.0
35°	618.0	606.0	554.0	469.0	352.0	352.0	345.0	383.0	435.0	567.0	527.0
37.5°	631.0	630.0	612.0	513.0	404.0	405.0	365.0	402.0	457.0	602.0	549.0
40°	639.0	641.0	659.0	559.0	459.0	457.0	402.0	429.0	491.0	640.0	589.0
42.5°	673.0	684.0	706.0	610.0	511.0	512.0	447.0	472.0	536.0	703.0	644.0
45°	749.1	752.1	765.1	680.0	560.0	567.0	504.0	530.0	591.0	772.1	706.0
47.5°	864.1	864.1	842.1	735.0	618.0	628.0	564.0	591.0	656.0	873.1	778.1
50°	966.1	958.1	910.1	800.1	665.0	687.0	643.0	674.0	711.0	950.1	868.1
52.5°	1030.1	1027.1	968.1	844.1	715.0	752.1	708.0	748.0	775.1	1030.1	949.1
55°	1021.1	1021.1	983.1	867.1	761.1	811.1	792.1	842.1	852.1	1106.1	1008.1
57.5°	987.1	992.1	974.1	876.1	770.1	867.1	878.1	925.1	942.1	1150.1	1045.1
60°	918.1	928.1	947.1	888.1	805.1	930.1	966.1	1008.1	1040.1	1183.1	1076.1
62.5°	789.1	802.1	869.1	887.1	832.1	995.1	1041.1	1078.1	1108.1	1201.1	1098.1
65°	598.0	622.0	719.0	823.1	830.1	1071.1	1102.1	1138.1	1167.1	1219.1	1155.1
67.5°	382.0	383.0	488.0	680.0	774.1	1178.1	1184.1	1202.1	1221.1	1269.1	1236.1
70°	197.0	207.0	257.0	434.0	634.0	1200.1	1389.1	1363.1	1334.1	1378.1	1341.1
72.5°	131.0	142.0	169.0	234.0	398.0	1082.1	1612.1	1684.1	1556.1	1459.1	1249.1
75°	74.0	80.0	113.0	185.0	246.0	699.0	1587.1	1844.1	1696.1	1311.1	1004.1
77.5°	33.0	35.0	51.0	145.0	211.0	341.0	1249.1	1541.1	1482.1	1093.1	724.0
80°	18.0	18.0	24.0	67.0	179.0	257.0	829.1	1073.1	1008.1	659.0	329.0
82.5°	10.0	11.0	14.0	32.0	109.0	235.0	524.0	673.0	532.0	181.0	133.0
85°	4.0	4.0	6.0	17.0	40.0	199.0	287.0	320.0	215.0	92.0	103.0
87.5°	2.0	2.0	2.0	6.0	13.0	51.0	94.0	101.0	79.0	73.0	89.0
90°	3.0	3.0	2.0	2.0	9.0	54.0	79.0	83.0	65.0	73.0	90.0
92.5°	4.0	3.0	2.0	2.0	7.0	54.0	90.0	89.0	65.0	73.0	93.0
95°	5.0	4.0	2.0	2.0	7.0	48.0	108.0	97.0	70.0	74.0	98.0
97.5°	5.0	5.0	2.0	2.0	7.0	37.0	114.0	98.0	61.0	48.0	67.0
100°	6.0	6.0	2.0	2.0	8.0	22.0	79.0	73.0	43.0	16.0	19.0
102.5°	7.0	7.0	2.0	2.0	5.0	11.0	38.0	37.0	24.0	4.0	7.0
105°	7.0	8.0	2.0	2.0	2.0	5.0	14.0	17.0	12.0	4.0	7.0
107.5°	8.0	9.0	2.0	2.0	2.0	3.0	6.0	6.0	4.0	4.0	7.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	6.0	6.0	1.0	2.0	2.0	2.0	1.0	2.0	2.0	3.0	6.0
115°	3.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	3.0	3.0	7.0
117.5°	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	5.0	9.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.0	11.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.0	13.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	12.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	10.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0	9.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	7.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	4.0	4.0	4.0	3.0	2.0	1.0	3.0	2.0	1.0	1.0	1.0
152.5°	3.0	3.0	5.0	2.0	1.0	1.0	1.0	3.0	3.0	1.0	1.0
155°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0
157.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	568.0	562.0	546.0	531.0	513.0	502.0	464.0	421.0	412.0	410.0	403.0
5°	554.0	541.0	510.0	444.0	378.0	348.0	334.0	323.0	308.0	305.0	301.0
7.5°	470.0	448.0	400.0	319.0	309.0	281.0	258.0	239.0	198.0	187.0	181.0
10°	391.0	372.0	273.0	232.0	211.0	190.0	165.0	146.0	129.0	121.0	118.0
12.5°	316.0	297.0	204.0	184.0	131.0	108.0	94.0	78.0	65.0	58.0	58.0
15°	350.0	319.0	211.0	131.0	86.0	64.0	47.0	42.0	49.0	50.0	50.0
17.5°	286.0	255.0	166.0	102.0	63.0	35.0	38.0	43.0	47.0	41.0	42.0
20°	329.0	286.0	167.0	77.0	40.0	34.0	35.0	32.0	43.0	44.0	44.0
22.5°	249.0	225.0	126.0	61.0	31.0	32.0	30.0	36.0	40.0	35.0	34.0
25°	322.0	265.0	128.0	39.0	31.0	26.0	31.0	28.0	37.0	38.0	38.0
27.5°	369.0	297.0	112.0	34.0	26.0	28.0	25.0	29.0	28.0	28.0	28.0
30°	419.0	324.0	109.0	33.0	25.0	23.0	24.0	23.0	27.0	28.0	28.0
32.5°	419.0	310.0	83.0	33.0	24.0	22.0	19.0	21.0	22.0	24.0	25.0
35°	422.0	298.0	61.0	30.0	22.0	19.0	17.0	17.0	19.0	20.0	20.0
37.5°	431.0	290.0	47.0	28.0	20.0	17.0	14.0	15.0	26.0	29.0	29.0
40°	456.0	290.0	40.0	26.0	18.0	15.0	12.0	19.0	22.0	26.0	26.0
42.5°	495.0	294.0	38.0	25.0	16.0	13.0	10.0	15.0	27.0	31.0	32.0
45°	536.0	302.0	36.0	24.0	15.0	11.0	12.0	18.0	21.0	28.0	28.0
47.5°	593.0	319.0	35.0	23.0	14.0	9.0	11.0	18.0	23.0	30.0	30.0
50°	655.0	337.0	33.0	22.0	12.0	8.0	17.0	15.0	19.0	31.0	31.0
52.5°	719.0	358.0	32.0	21.0	11.0	11.0	19.0	18.0	23.0	30.0	31.0
55°	775.1	375.0	30.0	21.0	10.0	10.0	20.0	18.0	21.0	28.0	29.0
57.5°	802.1	378.0	29.0	20.0	9.0	10.0	19.0	22.0	19.0	23.0	25.0
60°	836.1	386.0	26.0	18.0	8.0	13.0	22.0	29.0	26.0	30.0	32.0
62.5°	868.1	392.0	23.0	16.0	7.0	14.0	29.0	35.0	28.0	35.0	39.0
65°	927.1	405.0	19.0	13.0	6.0	16.0	33.0	42.0	31.0	41.0	41.0
67.5°	1009.1	426.0	15.0	11.0	6.0	18.0	34.0	48.0	37.0	45.0	44.0
70°	1041.1	392.0	13.0	10.0	6.0	21.0	37.0	52.0	39.0	50.0	50.0
72.5°	908.1	283.0	11.0	10.0	10.0	24.0	46.0	57.0	43.0	63.0	62.0
75°	701.0	178.0	11.0	10.0	12.0	30.0	52.0	61.0	46.0	70.0	69.0
77.5°	467.0	84.0	11.0	11.0	14.0	33.0	56.0	65.0	51.0	78.0	77.0
80°	183.0	46.0	12.0	12.0	17.0	35.0	60.0	67.0	53.0	84.0	83.0
82.5°	88.0	32.0	12.0	12.0	23.0	39.0	64.0	70.0	55.0	85.0	84.0
85°	75.0	30.0	11.0	13.0	28.0	49.0	68.0	69.0	56.0	81.0	81.0
87.5°	67.0	29.0	11.0	13.0	38.0	57.0	71.0	68.0	60.0	79.0	79.0
90°	69.0	31.0	12.0	15.0	43.0	58.0	72.0	68.0	58.0	73.0	73.0
92.5°	74.0	33.0	13.0	16.0	43.0	54.0	67.0	61.0	54.0	62.0	61.0
95°	78.0	35.0	14.0	18.0	38.0	42.0	56.0	49.0	45.0	48.0	48.0
97.5°	60.0	27.0	16.0	20.0	29.0	25.0	35.0	32.0	24.0	20.0	20.0
100°	16.0	9.0	17.0	20.0	20.0	17.0	26.0	24.0	16.0	7.0	7.0
102.5°	6.0	6.0	16.0	19.0	16.0	13.0	19.0	18.0	13.0	2.0	2.0
105°	6.0	5.0	10.0	15.0	10.0	7.0	10.0	12.0	8.0	2.0	2.0
107.5°	6.0	5.0	6.0	9.0	4.0	3.0	4.0	4.0	4.0	1.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.0	5.0	3.0	4.0	3.0	3.0	2.0	2.0	3.0	6.0	6.0
115°	6.0	5.0	3.0	3.0	2.0	3.0	2.0	1.0	3.0	7.0	8.0
117.5°	8.0	5.0	2.0	2.0	2.0	2.0	2.0	1.0	3.0	9.0	10.0
120°	10.0	6.0	2.0	2.0	2.0	1.0	2.0	1.0	4.0	9.0	10.0
122.5°	11.0	7.0	2.0	2.0	2.0	1.0	1.0	2.0	4.0	9.0	9.0
125°	11.0	7.0	2.0	2.0	1.0	1.0	1.0	1.0	4.0	9.0	10.0
127.5°	9.0	6.0	2.0	2.0	1.0	1.0	1.0	1.0	4.0	8.0	9.0
130°	8.0	6.0	2.0	2.0	1.0	1.0	1.0	1.0	4.0	7.0	8.0
132.5°	6.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	4.0	6.0	7.0
135°	5.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	6.0	6.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
140°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
142.5°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
145°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
147.5°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
150°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0
152.5°	1.0	2.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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110° | 8.0 8.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 4.0 7.0

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110° | 6.0 5.0 3.0 4.0 3.0 3.0 3.0 2.0 2.0 4.0 4.0

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(END OF REPORT)